

Study Plan Status Table  
Oroville Facilities Relicensing (FERC Project No. 2100)

**STUDY PLANS CONDITIONALLY APPROVED BY PLENARY GROUP PENDING OFF-LINE DISCUSSIONS**

<b>Study Plan</b>	<b>Plenary Approval Status</b>	<b>Actions/Notes</b>
SP-E1.6 Feather River Flow-Stage Model Development	Approved	Remove from CP List, Hold Pending Outcome of Joint TF
<b>SP-C1 Cultural Resources Inventory</b>	Approved	Concern regarding the fluctuation zone study, was resolved in 2/26 off-line discussion
SP-C2 Cultural Resources Evaluation	Approved	See C-1
SP-C3 Cultural Resources Management	Approved	See C-1
SP-C4 Cultural Interpretation & Education Assistance	Approved	See C-1

**STUDY PLANS APPROVED BY PLENARY GROUP PENDING WORK GROUP REPORTS/ISSUE-RESOLUTION**

<b>Study Plans</b>	<b>Plenary Approval Status</b>	<b>Actions/Notes</b>
<b>SP-R13 Recreation Surveys</b>	Approved Pending Off-Line Resolution	Pending confirmation that WG changes were made
SP-R5 Assess Recreation Areas Management	Approved	
SP-R19 Fiscal Impacts	Approved	
SP-W3 Recreational Facilities and Operations Effects on Water Quality	Approved	
SP-W7 Land and Watershed Management	Approved	
SP-T1 Effects of Project Features and Operation on Wildlife and Wildlife Habitat	Approved	
SP-T7 Project Effects on	Approved	

Noxious Terrestrial and Aquatic Plant Species		
SP-T9 Recreation and Wildlife	Approved	
<b>SP-F16 Evaluation of Project Effects on Instream Flows and Fish Habitat</b>	Approved	

**READY FOR PLENARY GROUP HEARTBURN IDENTIFICATION (FOR “HEARTBURN” ID, DISCUSSION AND APPROVAL)**

Study Plans	Plenary Approval Status	Yes/No?
		Nature of Heartburn
SP-R17 Recreation Needs Analysis	Conditionally Approved/Consent Calendar for April	No HB With 12/11 Version
<b>SP-W2 Contaminant Accumulation in Sediments and Aquatic Food Chain</b>	Approved Pending Off-line Discussion With NMFS/FWS  If disputes, will resolve w/ specific reps from the TF	No HB Pending NMFS/FWS Clarification/Discussion  Sampling Depth: OK, with global language change  Bathymetry: OK, with sampling clarification  OK, with changes. Necessary to analyze sediment samples immediately + appropriate coord w/ NMFS + GPS the sites + sample active sediment areas? – NMFS/FWS  Wildlife Area second site?  SWC OK w/ recognition that this is more than required by FERC
SP-W5 Project Effects on Groundwater	Conditionally Approved/Consent Calendar for April	No HB With 3/19 Version
SP-W9 Project Effects on Natural Protective Processes	Conditionally Approved/Consent Calendar for April	No HB With 3/19 Version
SP-T3/5 Riparian Resources, Wetlands and Associated Floodplains	Conditionally Approved/Consent Calendar for April	No HB With 3/19 Version
SP-T6 Interagency Wildlife Management Coordination and Wildlife Management Plan Development	Conditionally Approved/Consent Calendar for April	No HB With 3/19 Version
SP-T8 Project Effects on Non-Native Wildlife	Conditionally Approved/Consent Calendar	No HB With 3/19 Version

	for April	
SP-T10 Effects of Project Features, Operations, and Maintenance on Upland Plant Communities	Approved, pending Ron/Steve off-line conversation	Yes, HB With 3/19 Version; Emphasis placed on native communities (Ron Davis)
SP-T11 Fire Prevention/Fuel Load Control	Conditionally Approved/Consent Calendar for April	No HB With 3/19 Version Recommend consult w/ Tribes

### PREVIOUSLY APPROVED

Study Plans	Plenary Approval Status	Actions/Notes
SP-L1 Land Use Study	Approved	
SP-L2 Land Management Study	Approved	
SP-L3 Comprehensive Plan Consistency	Approved	
<b>SP-L4 Aesthetic Impact Assessment</b>	Approved	
SP-L5 Fuel Load Management	Approved	
SP-R1 Public and Private Vehicular Access	Approved	
SP-R2 Recreation Safety Assessment	Approved	
SP-R3 Assess Relationship of Project Operations and Recreation	Approved	
SP-R4 Assess Relationship of Fish/Wildlife Management and Recreation	Approved	
SP-R6 ADA Accessibility Assessment	Approved	
<b>SP-R7 Reservoir Boating Survey</b>	Approved	
SP-R8 Carrying Capacity Study	Approved	
<b>SP-R9 Existing Recreation Use Study</b>	Approved	
SP-R10 Recreation Facility and Condition Inventory	Approved	
SP-R11 Recreation And Public	Approved	

Use Impact Assessment		
SP-R12 Projected Recreation Use	Approved	
SP-R14 Assess Regional Recreation and Barriers to Recreation	Approved	
SP-R15 Recreation Suitability Study	Approved	
SP-R16 Whitewater and River Boating	Approved	
<b>SP-R18 Recreation Activity, Spending, and Associated Economic Impacts</b>	Approved	
<b>SP-E1 Model Development</b>	Approved	
<b>SP-E1.1 Statewide Operations Model Development</b>	Approved	
<b>SP-E1.2 Local Operations Model Development</b>	Approved	
<b>SP-E1.3 Oroville Reservoir Temperature Model Development</b>	Approved	
<b>SP-E1.4 Thermalito Complex Temperature Model Development</b>	Approved	
<b>SP-E1.5 Feather River Temperature Model Development</b>	Approved	
SP-E2 Perform Modeling Simulations	Approved	
SP-E3 Evaluate the Potential for Additional Hydropower Generation at Oroville	Approved	
SP-E4 Flood Management Study	Approved	
<b>SP-E6 Downstream Extent of Reasonable Control of Feather River Temperature by Oroville-Thermalito</b>	Approved	
<b>SP-E7 Oroville Reservoir Cold Water Pool Evaluation</b>	Approved	
SP-E8 Temperature Impacts of Pumpback Operation on Oroville Reservoir Cold Water Pool	Approved	

<b>SP-T2 Project Effects on Special Status Species</b>	Approved	
<b>SP-T4 Biodiversity, Vegetation Communities and Wildlife Habitat Mapping</b>	Approved	
<b>SP-G1 Effects of Project Operations on Geomorphic Processes Upstream of Oroville Dam</b>	Approved	
SP-G2 Effects of Project Operations on Geomorphic Processes Downstream of Oroville Dam	Approved	
<b>SP-W1 Project Effects on Water Quality Designated Beneficial Uses for Surface Water</b>	Approved	
SP-W6 Project Effects on Temperature Regime	Approved	

*FUTURE PLENARY REVIEW NEEDED*

<b>Study Plans</b>	<b>Plenary Approval Status</b>	<b>Actions/Notes</b>
SP-W10 (Cumulative Water Quality Effects -- Pending Further Discussion of Cumulative Effects)	Future Plenary Review Needed	
SP-G3 (Cumulative Geomorphic Effects -- Pending Further Discussion of Cumulative Effects)	Future Plenary Review Needed	
SP-F1 Evaluating the Impacts of Project Operation on Non-fish Aquatic Resources	Future Plenary Review Needed	
<b>SP-F9 Hatchery Effects on Salmonids</b>	Future Plenary Review Needed	
SP-F2 Evaluation of Project Effects on Fish Diseases	Future Plenary Review Needed	
<b>SP-F3.1 Evaluation of Project Effects on Resident Fish and Their Habitat within Lake Oroville, its Upstream Tributaries, the Thermalito Complex, and the Oroville Wildlife Area</b>	Future Plenary Review Needed	
<b>SP-F3.2 Evaluation of Project</b>	Future Plenary Review	

<b>Effects on Resident Fish and Their Habitat in the Feather River Downstream of the Fish Barrier Dam</b>	Needed	
SP-F4 Evaluation of Project Effects on Fish Passage Upstream of Lake Oroville	Future Plenary Review Needed	
SP-F5 Project Effect of FERC Project Fisheries Management Plans on a Balanced Fishery of Resident and Anadromous Fish and Their Habitats (Potentially Consolidated)	Future Plenary Review Needed	
SP-F8 Transfer of Energy and Nutrients by Anadromous Fish Migrations	Future Plenary Review Needed	
<b>SP-F10 Evaluation of Project Effects on Anadromous Salmonids and their Habitat</b>	Future Plenary Review Needed	
SP-F12 (Cumulative Impacts -- Pending Further Discussion of Cumulative Effects)	Future Plenary Review Needed	
<b>SP-F13 (Effects on CA Special Status and ESA Species -- Pending Further Work Group Review) (Potentially Consolidated)</b>	Future Plenary Review Needed	
SP-F15 Evaluation of the Feasibility to Provide Passage for Anadromous Salmonids Past Oroville Facility Dams	Future Plenary Review Needed	
SP-F21 Project Effects on Predation of Feather River Juvenile Anadromous Salmonids	Future Plenary Review Needed	